

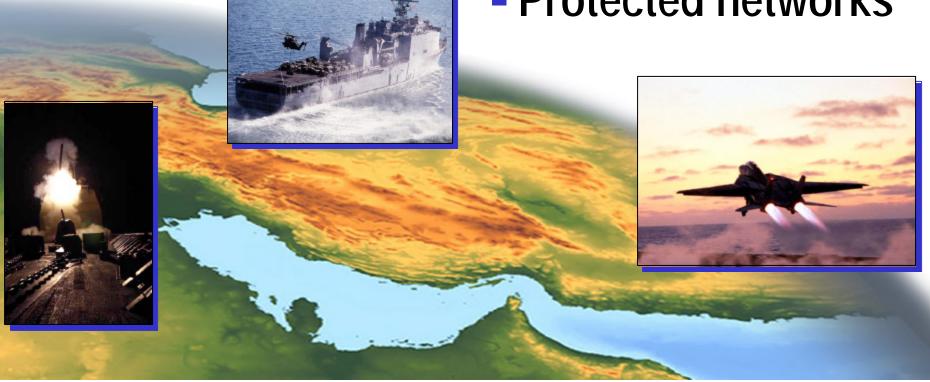


Naval Warfighting Today

Networks integrate into warfare

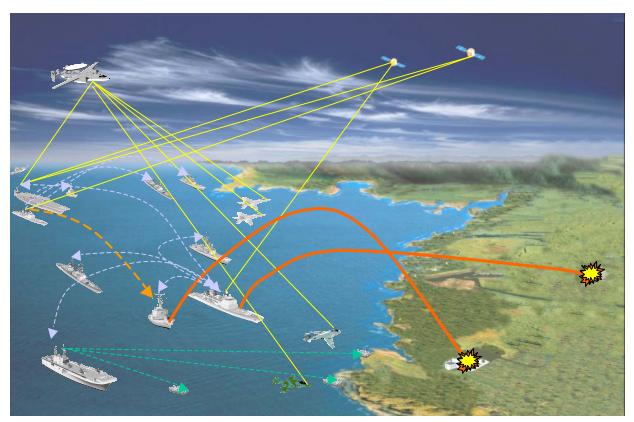
Dynamic

- Leverage platforms and weapon systems
- Protected networks





Afloat Network-Centric Operations



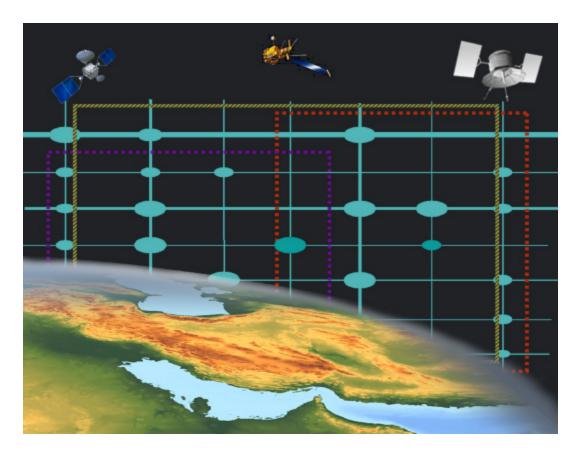
Navy will decisively engage and influence events ashore

- IT21 in all Battle Groups/ Amphibious Ready Groups
- "Collaboration at Sea"
- Supports Naval mission capabilities
- Joint & Coalition interoperability



Naval Space Operations

- Provides global access to information
 - High data rate communications
 - Direct downlink
 - METOC
 - Precise Positioning
- Space control a growing mission

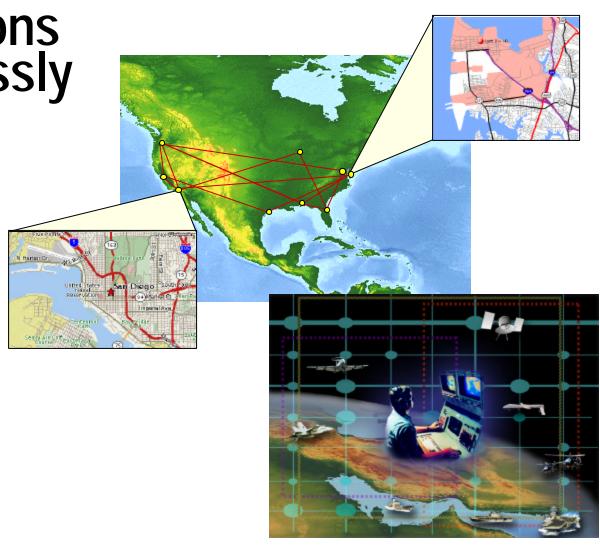


Navy is working hard to help DoD implement Space Commission recommendations



Networked Reachback

- Afloat operations linked seamlessly ashore
- Navy Marine Corps Intranet (NMCI)
- Web enabling
- Access commercial infrastructure





World Wide 24/7 Network Operations

- Convergence of afloat and ashore IT21 and NMCI
- Network Operations Centers end-to-end management
 - Manage available bandwidth
 - Seamless joint interfaces
 - Dynamic electromagnetic spectrum management
 - Remote network support
- Information Assurance



Aligning for the Warfare Domain



Information
 Operations
 integrated for
 the warfighter

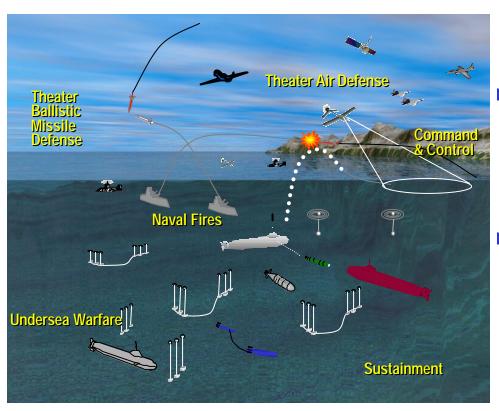


- Information Professional community
- OPNAV N6/N7





The Network After Next



Multi-Tiered Sensor Field

- Scalable space to seabed
- National/Theater/Organic assets

Networks

- Fully-netted force
- Processing and collaboration
- Real-time shared knowledge

Enhanced Capabilities

- Shared battlefield awareness
- Speed of decision making
- Effects-based operations
- Dispersed force protection
- Mission flexibility
- Global reachback
- Sustainability

The Architecture for a Fully-Netted Maritime Force



How Can Industry Help?

- Security
- Wireless
- Networks
- C4 applications
- Business practices
- Others...





Summary

- We have built the foundation IT21, NMCI, and the use of Space
- We have strategies to continue the transformation
 - Opportunities a favorable environment
 - Challenges technical, resources, cultural
- We are organizing for the future

Network-centric warfare enables naval forces to project powerat sea, in the littoral, and deep attack inland

The Power of the Network is Real